

* * * * * Welcome to STN International * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEx enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Apr 11	Display formats in DGENE enhanced
NEWS 32	Apr 14	MEDLINE Reload
NEWS 33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS EXPRESS	April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

=>

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.62

4.62

FILE 'REGISTRY' ENTERED AT 11:08:18 ON 21 APR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0

DICTIONARY FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

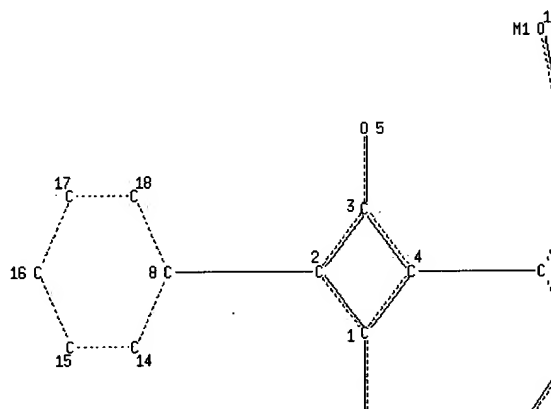
=>

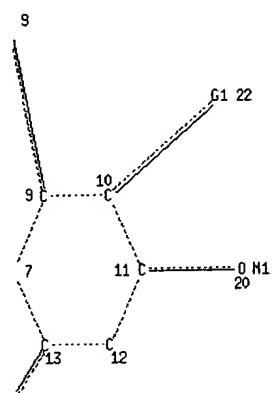
L1 STRUCTURE UPLOADED

=> dis que

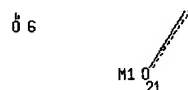
L1 STR

C 23 O 24 Cl 25Br 26F 27 I 28





Page 1-B



Page 2-A

VAR G1=23/24/25/26/27/28

NODE ATTRIBUTES:

HCOUNT	IS	M1	AT	19
HCOUNT	IS	M1	AT	20
HCOUNT	IS	M1	AT	21
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	C	AT	5
NSPEC	IS	C	AT	6
NSPEC	IS	R	AT	7
NSPEC	IS	R	AT	8
NSPEC	IS	R	AT	9
NSPEC	IS	R	AT	10
NSPEC	IS	R	AT	11
NSPEC	IS	R	AT	12
NSPEC	IS	R	AT	13
NSPEC	IS	R	AT	14
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NSPEC	IS	R	AT	17
NSPEC	IS	R	AT	18
NSPEC	IS	C	AT	19
NSPEC	IS	C	AT	20
NSPEC	IS	C	AT	21
NSPEC	IS	C	AT	22

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 5 6 19 20 21 23 24 25 26 27 28

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 28

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 11:09:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 197 TO ITERATE

100.0% PROCESSED 197 ITERATIONS

SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 3098 TO 4782
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
 ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
 FULL SEARCH INITIATED 11:09:33 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 3889 TO ITERATE

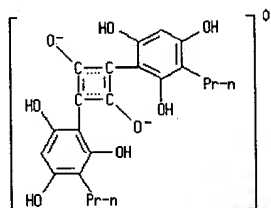
100.0% PROCESSED 3889 ITERATIONS
 SEARCH TIME: 00.00.01

4 ANSWERS

L3 4 SEA SSS FUL L1

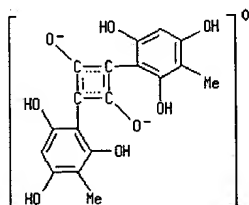
=> d l3 1-4

L3 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 295328-24-4 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3-propylphenyl)-
 , bis(inner salt) (9CI) (CA INDEX NAME)
 MF C22 H22 O8
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

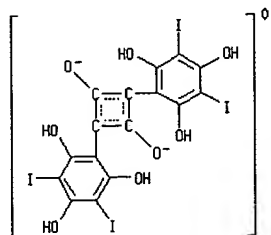
L3 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 295328-22-2 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3-methylphenyl)-
 , bis(inner salt) (9CI) (CA INDEX NAME)
 MF C18 H14 O8
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

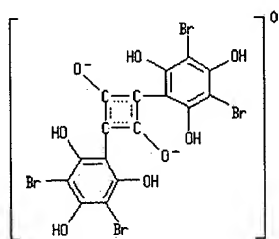
L3 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 189756-47-6 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3,5-diiodophenyl)-, bis(inner salt) (9CI) (CA INDEX NAME)
 MF C16 H6 I4 O8

SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 189756-46-5 REGISTRY
CN Cyclobutenediylum, 1,3-bis(3,5-dibromo-2,4,6-trihydroxyphenyl)-2,4-dihydroxy-, bis(inner salt) (9CI) (CA INDEX NAME)
MF C16 H6 Br4 O8
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

156.07

160.69

FILE 'CAPLUS' ENTERED AT 11:10:29 ON 21 APR 2003
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FILE COVERS 1907 - 21 Apr 2003 VOL 138 ISS 17
FILE LAST UPDATED: 20 Apr 2003 (20030420/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 6 L3

=> d 14 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
-----------	-------------------

AN 2002:964643 CAPLUS

DN 138:47422

TI Filler for electronic display uses and electronic display units using it

IN Nakano, Tomomi; Haraguchi, Yukinari; Ozawa, Tetsuo; Saito, Yasuyo

PA Mitsubishi Chemical Corporation, Japan

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002101695	A1	20021219	WO 2002-JP5886	20020612
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2002366048	A2	20021220	JP 2001-176556	20010612
JP 2001-176556	A	20010612		
JP 2001-183313	A	20010618		
JP 2002-168930	A	20020610		

OS MARPAT 138:47422

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
-----------	-------------------

AN 2002:787090 CAPLUS

DN 138:21181

TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA

AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina

CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India

SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627

CODEN: JPCBFK; ISSN: 1520-6106

PB American Chemical Society

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
-----------	-------------------

AN 2002:503296 CAPLUS

DN 137:80282

TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers

IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd

PA Council of Scientific and Industrial Research, India

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	DE 10065482	A1	20020704	DE 2000-10065482	20001228
	JP 2002212455	A2	20020731	JP 2000-402567	20001228
	US 2002123532	A1	20020905	US 2001-753751	20010102
<u>PRAI</u>	DE 2000-10065482	A	20001228		
OS	CASREACT 137:80282; MARPAT 137:80282				

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2001:919090 CAPLUS
 DN 136:61575
 TI Filter for plasma display panel
 IN Ozawa, Tetsuo
 PA Mitsubishi Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 23 pp.
 CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	JP 2001350013	A2	20011221	JP 2001-89307	20010327
<u>PRAI</u>	JP 2000-104398	A	20000406		
OS	MARPAT 136:61575				

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2000:645964 CAPLUS
 DN 133:259437
 TI Squarylium compounds, filters for plasma display panels made by using the same, and plasma display panels
 IN Ozawa, Tetsuo; Murayama, Tetsuo
 PA Mitsubishi Chemical Corporation, Japan
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	WO 2000053552	A1	20000914	WO 2000-JP1345	20000306
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001188121	A2	20010710	JP 2000-58232	20000303
	JP 2001192350	A2	20010717	JP 2000-58233	20000303
	EP 1160230	A1	20011205	EP 2000-906726	20000306
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 2002014819	A1	20020207	US 2001-944184	20010904
<u>PRAI</u>	JP 1999-57944	A	19990305		
	JP 1999-296832	A	19991019		
	JP 1999-306563	A	19991028		
	WO 2000-JP1345	W	20000306		
OS	MARPAT 133:259437				

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 1997:319950 CAPLUS
 DN 126:327519
 TI Halogenated squaraine dyes as potential photochemotherapeutic agents. Synthesis and study of photophysical properties and quantum efficiencies of singlet oxygen generation
 AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy V.; Das, Suresh; George, Manapurathu V.
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India
 SO Photochemistry and Photobiology (1997), 65(5), 783-790
 CODEN: PHCBAP; ISSN: 0031-8655
 PB American Society for Photobiology
 DT Journal
 LA English

=> s 189756-46-5

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 3 L5

=> d 16 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:787090 CAPLUS
 DN 138:21181
 TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA
 AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India
 SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627
 CODEN: JPCBFK; ISSN: 1520-6106
 PB American Chemical Society
 DT Journal
 LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:503296 CAPLUS
 DN 137:80282
 TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers
 IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd
 PA Council of Scientific and Industrial Research, India
 SO Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10065482	A1	20020704	DE 2000-10065482	20001228
	JP 2002212455	A2	20020731	JP 2000-402567	20001228
	US 2002123532	A1	20020905	US 2001-753751	20010102
PRAI	DE 2000-10065482	A	20001228		
OS	CASREACT 137:80282; MARPAT 137:80282				

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 1997:319950 CAPLUS
 DN 126:327519
 TI Halogenated squaraine dyes as potential photochemotherapeutic agents.
 Synthesis and study of photophysical properties and quantum efficiencies
 of singlet oxygen generation
 AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy
 V.; Das, Suresh; George, Manapurathu V.
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR),
 Trivandrum, 695 019, India
 SO Photochemistry and Photobiology (1997), 65(5), 783-790
 CODEN: PHCBAP; ISSN: 0031-8655
 PB American Society for Photobiology
 DT Journal
 LA English

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